

## Product datasheet for **SC312388**

### SENP3 (AK000923) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SENP3 (AK000923) Human Untagged Clone
Tag:	Tag Free
Symbol:	SENP3
Synonyms:	SMT3IP1; SSP3; Ulp1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AK000923, the custom clone sequence may differ by one or more nucleotides ATGAGTAGGAACTCTCTCCATCCCTGTAGAATCTCTTGGACATGTTTATCTCATGCTT ATGGGGTCCCCATTTCTTGGAGTGGATTGACATTGGTGGATTCTGCTTCAGTGTATCCT TCTTGGCGTCTTATTTGCATGCATGAGTCAACTGTGTGCATCCCATTGTGCTTTCCCCAG GCCAGTCTCTCATGCCATTCCATTTCCCTGCCCTATAGGCCTCCTTTCATGTA CTG CCCAACGGTTTTGGGGACAATCTGGGCCAGAAGGGGAGCGCAGCTTGGCACCCCTGAT GCCAGCATCCTCATCAGCAATGTGTGCAGCATCGGGACCATGTGGCCAGGAGCTTTTT CAGGGCTCAGATTTGGGCATGGCAGAAGAGGCAGAGAGGCTGGGAGAAAGCCGCCAG CACAGCCCCTGCGAGAGGAGCATGTGACCTGCGTACAGAGCATCTTGGACGAATTCCTT CAAACGTATGGCAGCCTCATACCCTCAGCACTGATGAGGTAGTAGAGAAGCTGGAGGAC ATTTTCCAGCAGGAGTTTTCCACCCCTTCCAGG
Restriction Sites:	Please inquire
ACCN:	AK000923
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [AK000923.1](#)

**RefSeq Size:** 1578 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 26168

**Cytogenetics:** 17p13.1

**Protein Families:** Druggable Genome, Protease

**Gene Summary:** The reversible posttranslational modification of proteins by the addition of small ubiquitin-like SUMO proteins (see SUMO1; MIM 601912) is required for numerous biologic processes. SUMO-specific proteases, such as SENP3, are responsible for the initial processing of SUMO precursors to generate a C-terminal diglycine motif required for the conjugation reaction. They also have isopeptidase activity for the removal of SUMO from high molecular mass SUMO conjugates (Di Bacco et al., 2006 [PubMed 16738315]).[supplied by OMIM, Jun 2009]